

ABSTRACT OF THE DISCLOSURE

A process for the manufacture of a part with very high mechanical properties, formed by stamping of a strip of rolled steel sheet and more particularly hot rolled and coated with a metal or metal alloy ensuring protection of the surface and the steel, whereby :

- the steel sheet is cut to obtain a steel sheet blank,
- the steel sheet blank is stamped to obtain the part,
- an alloyed intermetallic compound is applied to the surface, before or after the stamping, ensuring protection against corrosion, against steel decarburization, which intermetallic compound may provide a lubrication function,
- the excess material from the steel sheet required for the stamping operation is trimmed.

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